

Specifications

Circuit :	9 Transistor Superheterodyne
Frequency Coverage :	MW 530~1,605 Kc (566~187 m) SW ₁ 2~5.1 Mc (150~58.8 m) SW ₂ 5.5~10 Mc (54.5~30 m) SW ₃ 11~22 Mc (27.2~13.6 m)
Intermediate Frequency :	455 Kc
Antenna System :	MW Built-in Ferrite Bar Antenna SW _{1~3} Built-in Telescopic Antenna
Maximum Sensitivity :	MW 26 dB (20 μ V/m) (at 10 mW output)
	SW ₁ 6 dB (2 μ V/m) SW ₂ 6 dB (2 μ V/m) SW ₃ 6 dB (2 μ V/m)
Selectivity :	28 dB at 10 Kc off resonance, at 1,400 Kc
Output Power :	1,000 mW (undistorted) 1,800 mW (maximum)
Current Drain :	20 mA at zero signal, 230 mA at 1,000 mW output
Speaker :	10 cm (4"), PM dynamic, 8 Ω
Power Source :	Six Size "D" Flashlight Batteries, 9 V in total
Dimensions :	241 (H) X 330 (W) X 140 (D) mm (9-1/2 X 13 X 5-1/2")
Weight :	3.8 Kgs. (8 lbs.)

Adjustments

a) Frequency Coverage Adjustment

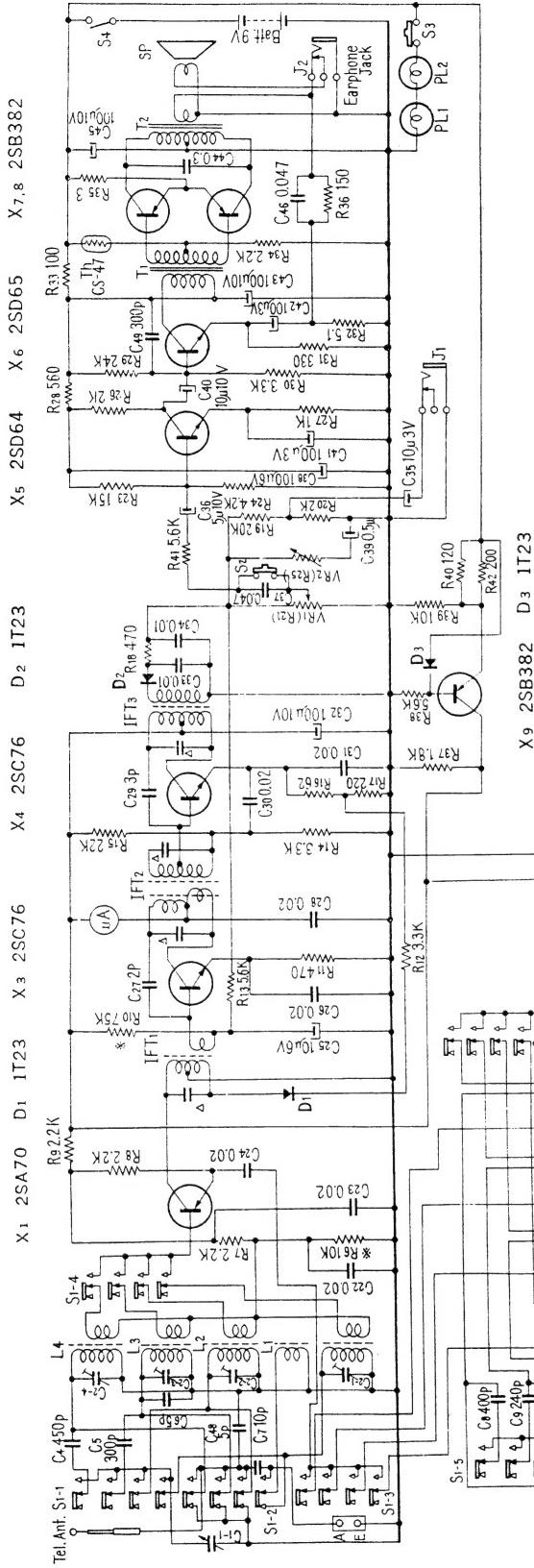
	Lower Limit	Adjust	Upper Limit	Adjust
MW	520 Kc	Core of MW OSC Coil (L ₅)	1,680 Kc	MW OSC Trimmer (C ₂₋₅)
SW ₁	1.96 Mc	Core of SW ₁ OSC Coil (L ₆)	5.2 Mc	SW ₁ OSC Trimmer (C ₂₋₆)
SW ₂	5.45 Mc	Core of SW ₂ OSC Coil (L ₇)	10.25 Mc	SW ₂ OSC Trimmer (C ₂₋₇)
SW ₃	10.9 Mc	Core of SW ₃ OSC Coil (L ₈)	22.4 Mc	SW ₃ OSC Trimmer (C ₂₋₈)

b) Tracking Adjustment

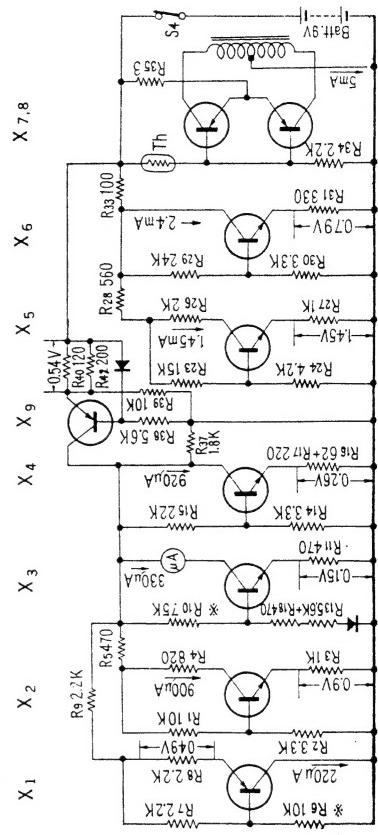
	Lower Checking Point	Adjust	Upper Checking Point	Adjust
MW	620 Kc	Position of MW ANT Coil (L ₁)	1,400 Kc	MW ANT Trimmer (C ₂₋₁)
SW ₁	1.96 Mc	Core of SW ₁ ANT Coil (L ₂)	5.2 Mc	SW ₁ ANT Trimmer (C ₂₋₂)
SW ₂	5.45 Mc	Core of SW ₂ ANT Coil (L ₃)	10.25 Mc	SW ₂ ANT Trimmer (C ₂₋₃)
SW ₃	10.9 Mc	Core of SW ₃ ANT Coil (L ₄)	22.4 Mc	SW ₃ ANT Trimmer (C ₂₋₄)

(64)

Schematic Diagram



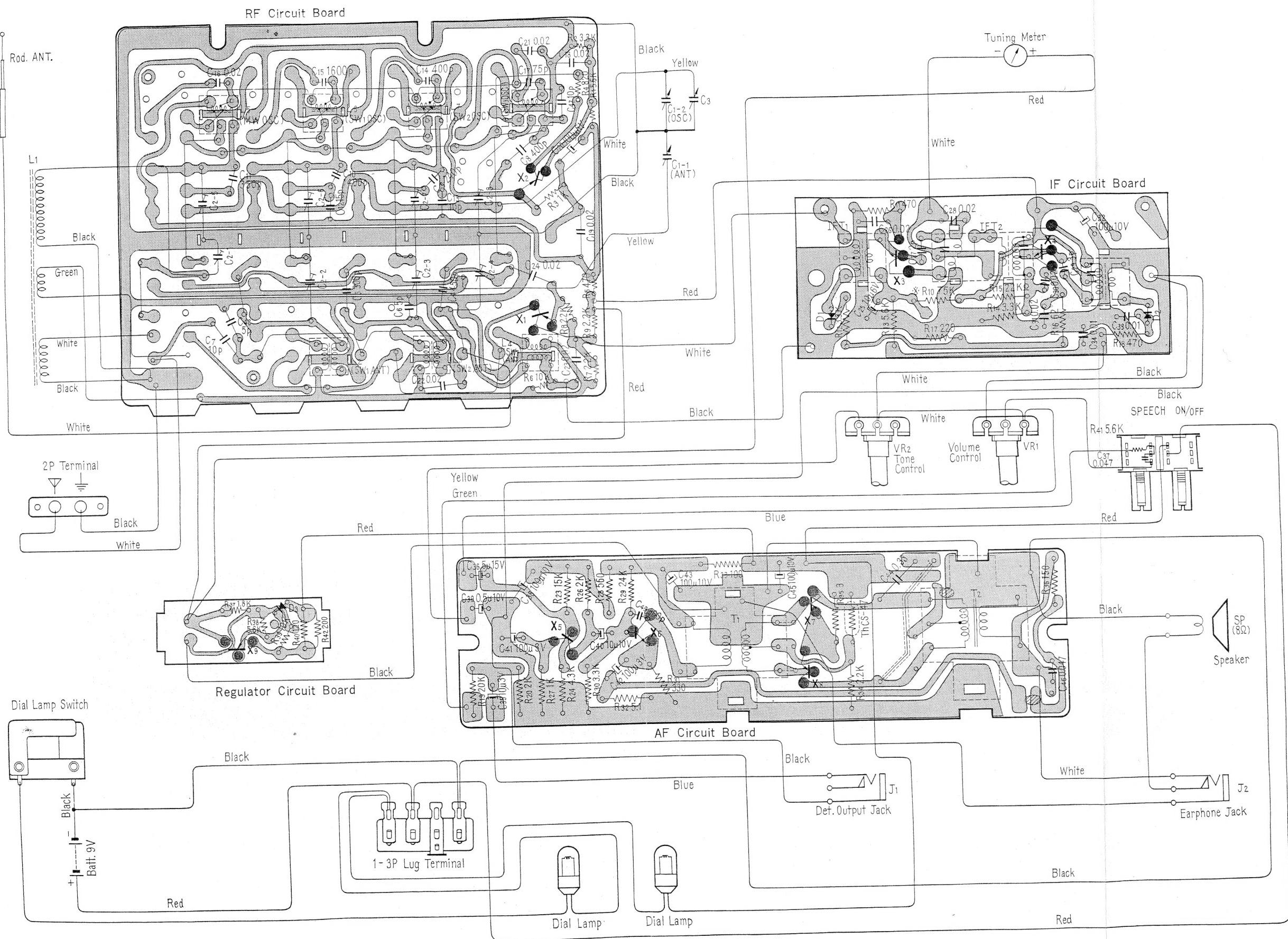
Voltage and Current Distribution Chart at Zero Signal



* To be adjusted
Capacitors marked with Δ are built in relative IF Transformers.

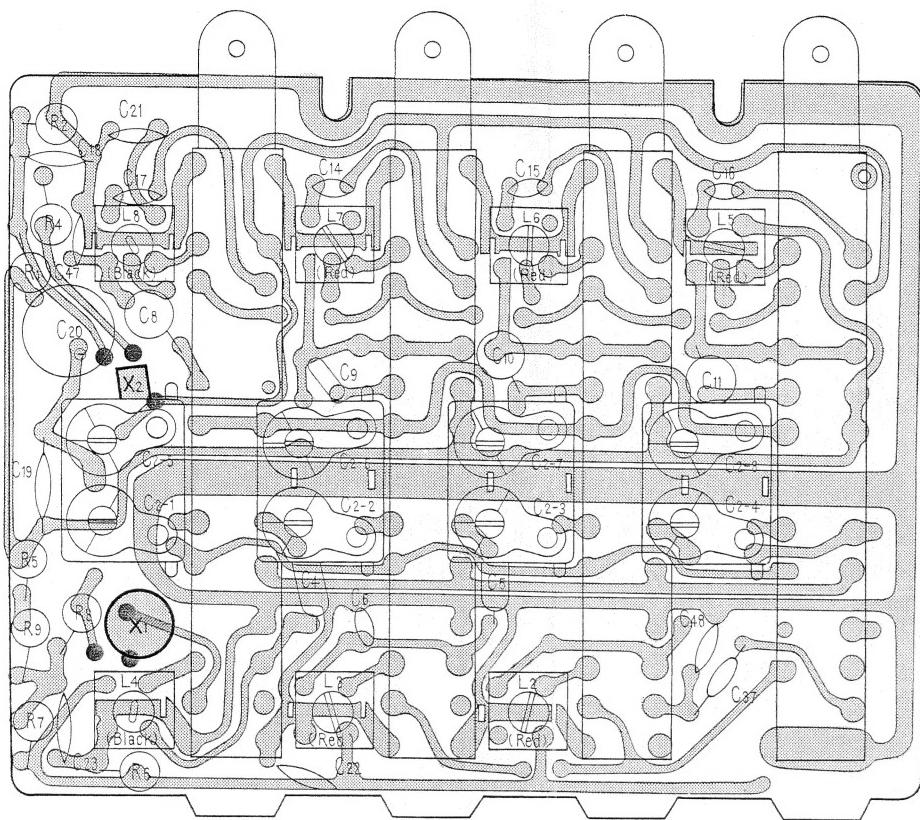
Mounting Diagram

—Printed Side—



Mounting Diagram

— Parts Side —

RF Section**Mounting Diagram**

— Parts Side —

IF Section